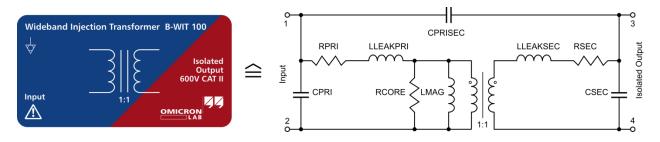
**Bode 100 - Information** 

B-WIT 100 Model

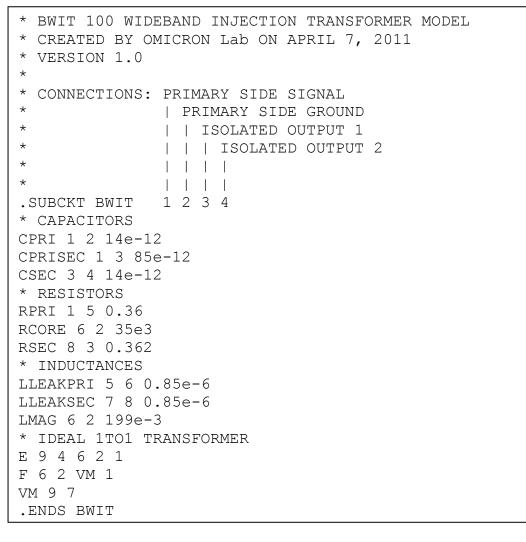
Page 1 of 2

## **B-WIT 100 SPICE Model**

We provide a simple lumped element circuit model for the B-WIT 100 injection transformer. The model is shown in the following figure:



## **SPICE Subcircuit Listing:**



The model has 4 connections.

1 & 2 are on the primary side where 2 is the ground connector of the BNC plug.

2 & 3 are on the isolated secondary side (banana connectors).



Bode 100 - Information

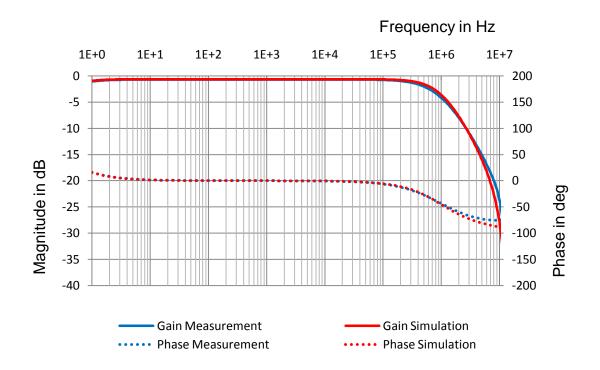
B-WIT 100 Model

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## **Model Performance:**

The following chart shows simulation results gathered with the B-WIT model compared to a measurement.

Compared is the voltage gain from primary to secondary. The secondary side was loaded with a  $10 \Omega$  resistor. This is the recommended injection resistor value.



**Note:** This is a linear model for small signals (no saturation and large signal effects). The Model is a lumped element circuit model with no frequency dependencies but shows good voltage gain correlation in the frequency range 1 Hz to 10 MHz.

